

### **ABSTRACT**

Multi-tilt mirrors, assemblies and applications of the same, and methods of making. Micromirror devices employing a superstructure that includes a mirror supported over a hinge set above a substructure. Various features described are applicable to improve manufacturability, enable further miniaturization of the elements and/or to increase relative light return. Devices can be produced utilizing the various optional features described herein to provide miniaturized, highly controllable optics solutions.